

	535 nm	485 nm
Equation 1		
Variables		
BOTTOM	60.23	69.32
TOP	418.4	391.5
LOGEC50	0.2260	0.3756
HILLSLOPE	1.322	1.223
EC50	1.683	2.374
Std. Error		
BOTTOM	2.930	3.253
TOP	3.395	4.337
LOGEC50	0.01744	0.02364
HILLSLOPE	0.06271	0.07328
95% Confidence Intervals		
BOTTOM	53.85 to 66.62	62.23 to 76.40
TOP	411.0 to 425.8	382.1 to 401.0
LOGEC50	0.1880 to 0.2640	0.3240 to 0.4271
HILLSLOPE	1.186 to 1.459	1.064 to 1.383
EC50	1.542 to 1.836	2.109 to 2.673
Residuals		
Points above curve	9	7
Points below curve	7	9
Number of runs	10	8
P value (runs test)	0.8059	0.4266
Deviation from Model	Not Significant	Not Significant

Figure 1

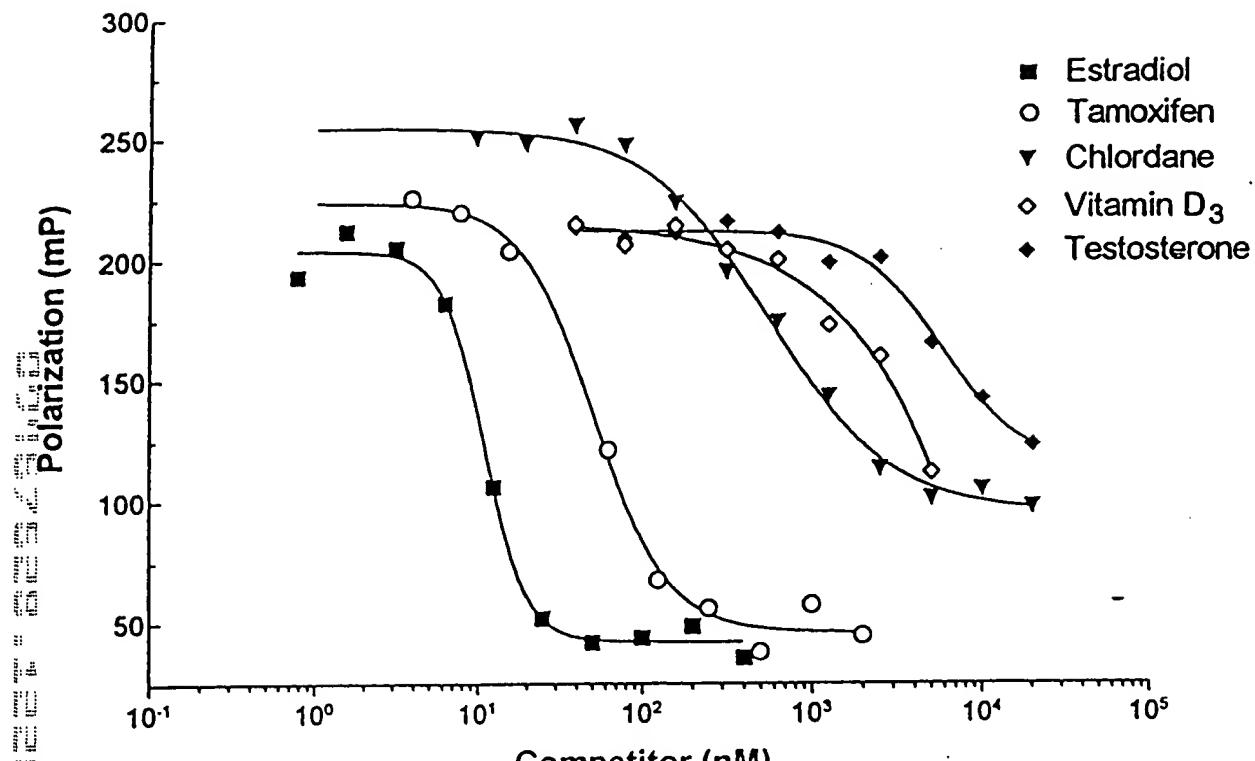


Figure 2

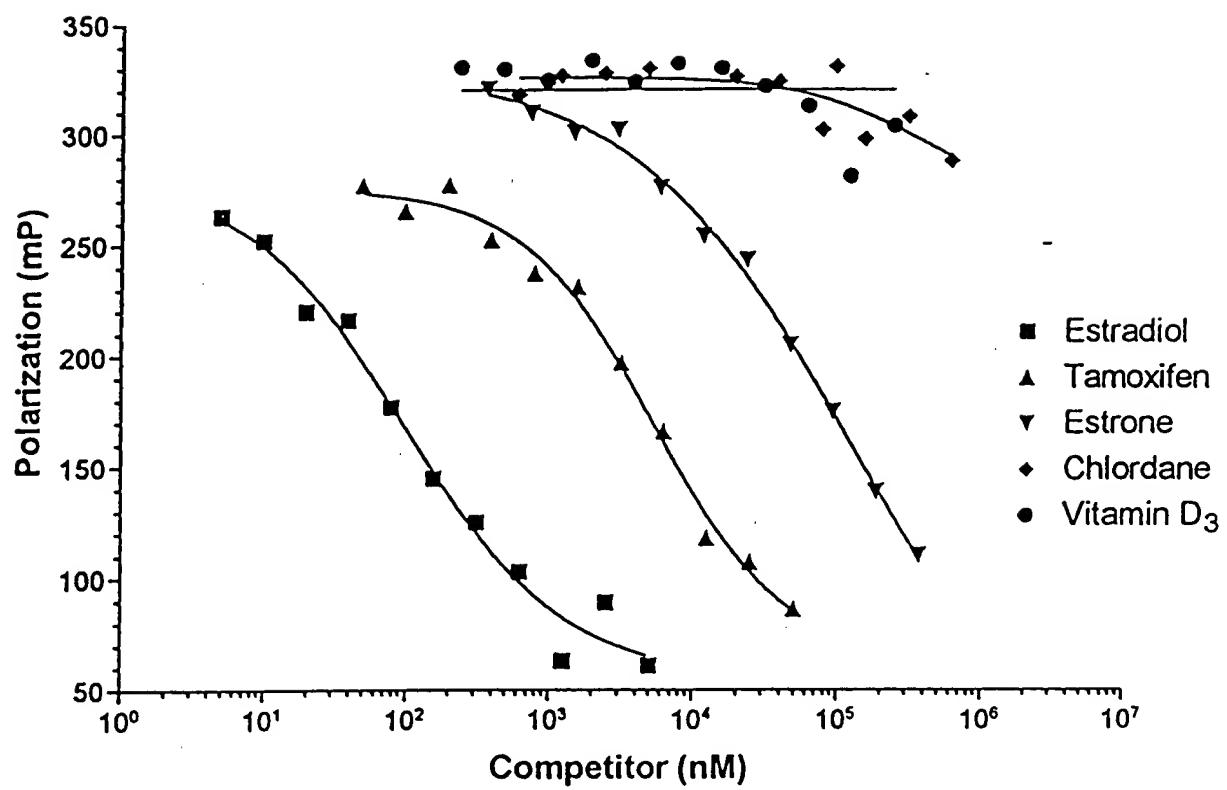


Figure 3

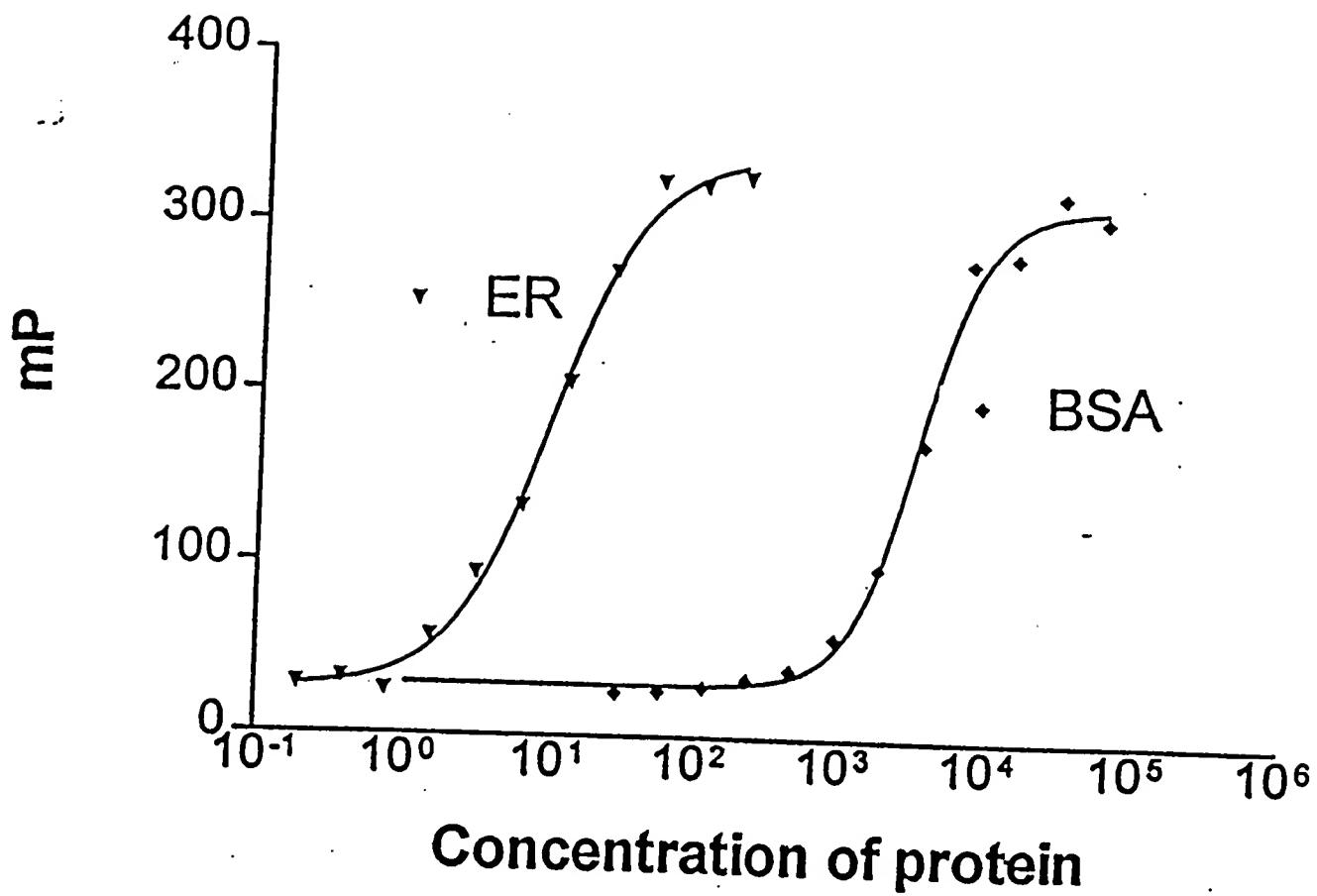


Figure 4

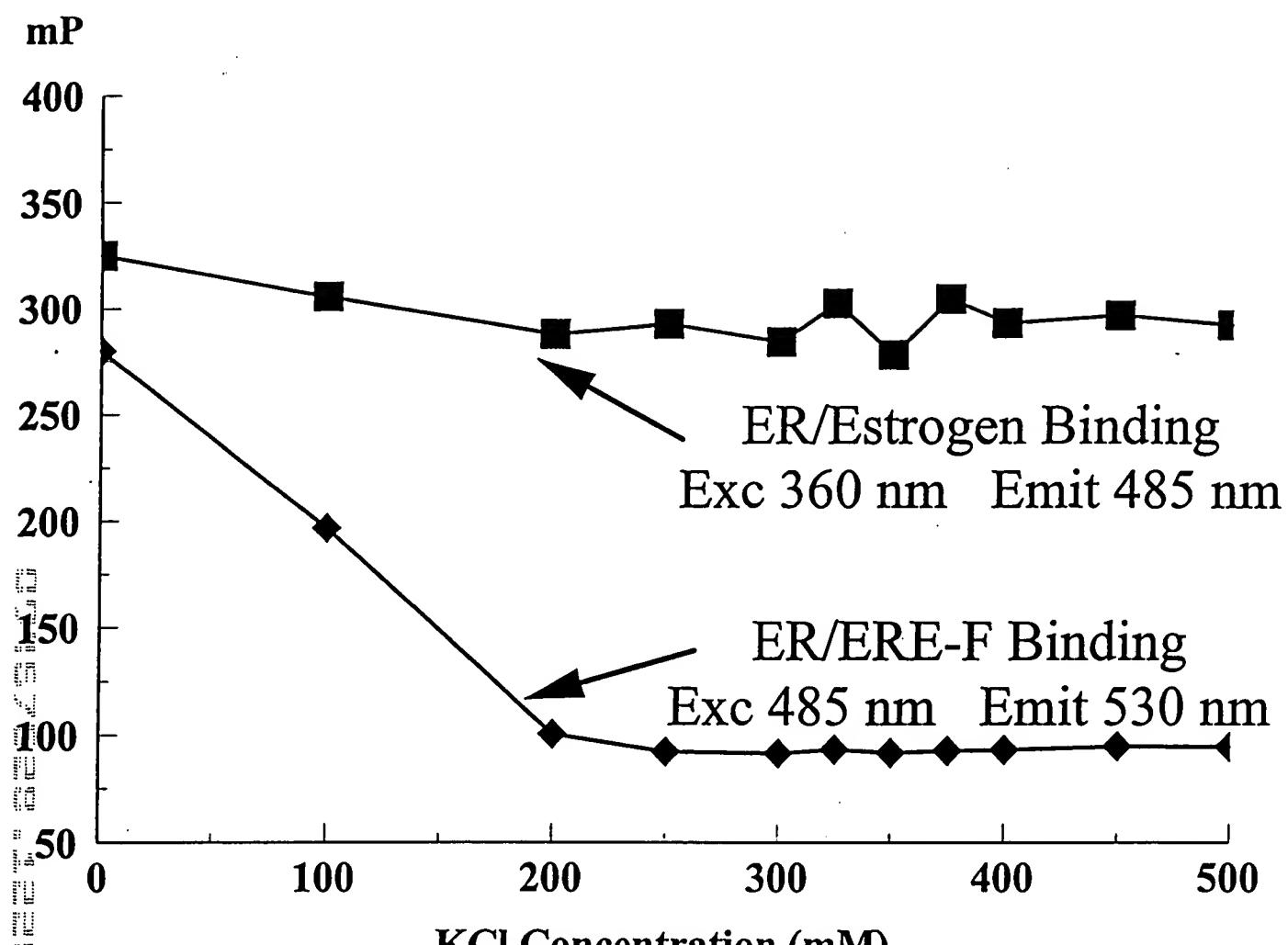


Figure 5

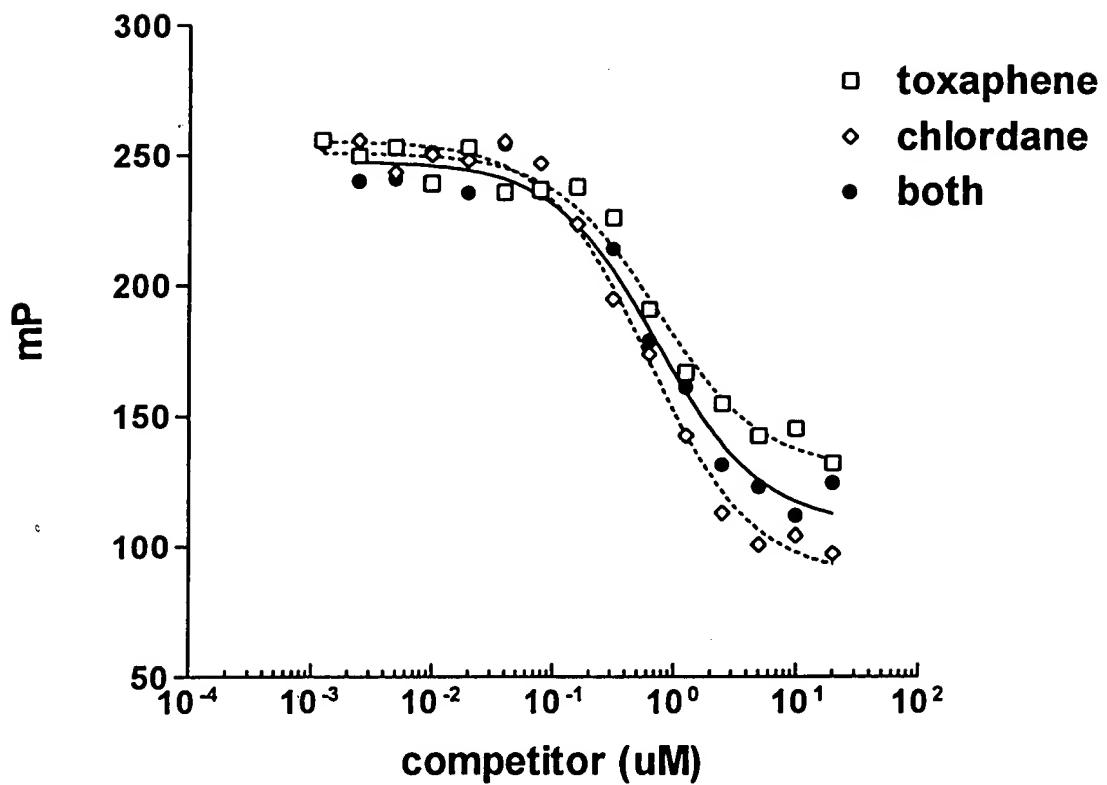


Figure 6

Polarization Values								
[E2] nM	45 min	1 hour	2 hour	3 hour	4 hour	5 hour	6 hour	8 hour
5000	133	114	95	105	99	71	100	97
2500	182	160	117	113	115	97	113	112
1250	212	179	142	132	129	123	110	137
625	228	209	170	169	159	149	162	162
313	253	242	213	197	207	192	200	198
156	224	277	202	238	223	235	245	155
78.1	250	302	254	288	288	246	283	264
39.1	303	325	295	324	309	317	315	307
19.5	352	347	320	343	311	326	342	327
9.77	312	367	338	345	355	357	383	347
4.88	301	371	356	341	363	348	367	360
0	376	391	384	379	378	327	371	360

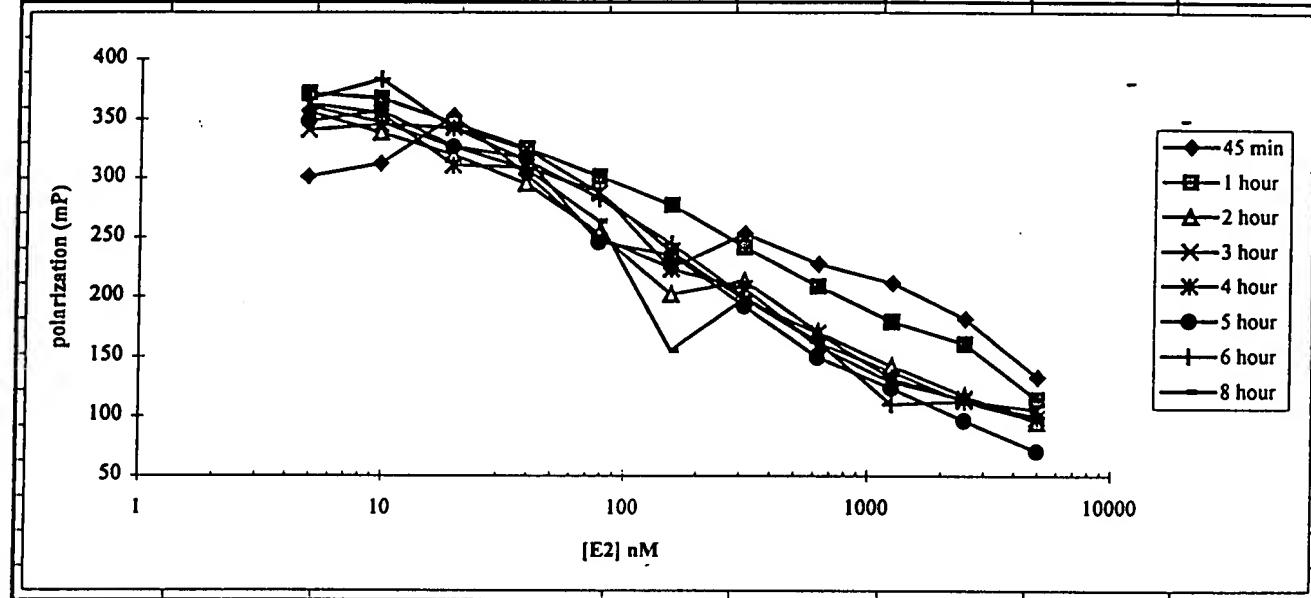


Figure 7

THC Ester Concentration (nM)	DMSO Concentration (%)	Polarization (mP)
20	25	232
20	12.5	251
20	6.25	226
20	3.13	164
20	1.56	148
20	0.78	99
20	0.39	81
20	0.20	52.9
20	0.10	62.5
20	0.05	40.7
20	0	48

THC Ketone Concentration (nM)	DMSO Concentration (%)	Polarization (mP)
15	5	206
15	0	137

THC Amide Concentration (nM)	DMSO Concentration (%)	Polarization (mP)
25	5	127
12.5	5	49.9
6.25	5	55.8
3.13	5	55

Figure 8

glycerol, 20%	isoamyl alcohol, 20%
ethylene glycol, 20%	butanol, 20%
ethoxyether, 20%	acetonitrile, 20%
ethanolamine, 20%	KCl, 2 M
Polyethylenimine, 6.25%	triethylamine, 20%
urea, 200 mM	formaldehyde, 20%
formaldehyde, 10 mM	Tris-HCl, 1M, pH8
imadazol, 1 M	Imadazole, 100 mM, pH7
acetone, 20%	MOPS buffer, 50 mM, pH 6.8
methanol, 20%	KPO ₄ , 1M, pH 6.5
sulfonyl diethanol, 20%	glycine, 25 mM, pH 9.6
MOPS buffer, 0.5 M, pH 6.8	HEPES, 1M, pH 8
HEPES buffer, 1 M	boric acid, 100 mM, pH9.5
MgCl ₂ , 20 mM	Dimethylformamide, 20%
NiCl ₂ , 100 mM	2-mercaptoproethanol, 13.2 M
glycine, 100 mM, pH 2	Polyvinylpyrrolidone, 10%
NaCl, 5 M	Ficoll, 10%
SDS detergent, 0.02%	Sorbitol, 10%
heptaldehyde, 20%	NP40 Detergent, 0.1%
SB12 detergent	octylglucopyranoside detergent
polyethyleneglycol	sarcosyl detergent
Triton-X 100 detergent	Triton-X 114 detergent
sodium deoxycholate	guanidine hydrochloride
urea	CHAPS detergent
Brij 35 detergent	Tween 20 detergent
dithiothreitol, 1M	Bovine gamma globulin

Figure 9

Average Starting Polarization (mP) of
Fluormone ES1

79

Average Starting Polarization (mP) of
Fluormone after Addition of 2% DMSO

253

Compound Added to Correct DMSO Effect on Fluormone ES1	Polarization (mP) after addition of Compound
N,N dimethylformamide	79
2- mercaptoethanol	120
acetonitrile	129
acetone	131
triethylamine	153
formamide	159
2 M KCl	159
ethylene glycol	161
butanol	162
0.2 M urea	181
1% sodium dodecyl sulfate	216
10 M formaldehyde	235
100 mM nickel chloride	238
1 M dithiothreitol	261
100 mM glycine, pH 2.0	276
1 M magnesium chloride	287
1 M sodium phosphate	340

Figure 10